

# MATERIAL SAFETY DATA SHEET



## 1. Product and company identification

**PRODUCT NAME** : Quench Oil  
**PRODUCT CODE** : 0576  
**SUPPLIER** : NEMCO RESOURCES LTD.  
25 Midland Street  
Winnipeg, Manitoba  
R3E 3J6 Canada  
**Date Issued** : October, 2013  
**Emergency (call collect)** : 204-788-1030  
**CANUTEC** : 613-996-6666

## 2. Hazards identification

**WARNING:**

Causes eye and skin irritation.

**Precautionary Statement(s):**

Wash thoroughly after handling. (P264)\*

Wear protective gloves / protective clothing / eye protection / face protection. (P280)\*

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

(P305+P351+P338\*)

IF ON SKIN:

Wash with plenty of soap and water. (P352)\*

If eye irritation persists:

If skin irritation occurs:

Get medical advice/attention. (P313)\*

Take off contaminated clothing and wash before reuse. (P362)\*

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CASRN	Concentration
Lubricant Base Oil	VARIOUS	>85%
Additives	PROPRIETARY	<15%

## 4. FIRST AID MEASURES

- EYE CONTACT** : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately
- SKIN CONTACT** : Wash contact areas with soap and water. High-pressure accidental injection through the skin requires immediate medical attention for possible incision, irrigation and/or debridement
- INHALATION** : Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance.
- INGESTION** : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
- Notes to physician** : Acute aspirations of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

## 5. FIRE FIGHTING MEASURES

### NFPA 704 Hazard Class

**Health:** 1 Flammability: 1 Instability: 0 (0-Minimal, 1-slight, 2-Moderate, 3-Serious, 4-Severe)

- EXTINGUISHING MEDIA** : Carbon dioxide, foam, dry chemical and water fog
- SPECIAL PROTECTIVE EQUIPMENT** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- SPECIAL REMARKS ON FIRE HAZARDS** : Low fire hazard. This material must be heated before ignition will occur.
- Flammable limits** : LEL: NA, UEL: NA
- FIRE FIGHTING INSTRUCTIONS** : For fires beyond the initial stage, emergency responders in the immediate hazard area should wear protective clothing. When the potential chemical hazard is unknown, in enclosed or confined spaces, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8). Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done safely. Avoid spreading burning liquid with water used for cooling purposes
- HAZARDOUS COMBUSTION PRODUCTS** : Combustion may yield smoke, carbon monoxide, and other products of incomplete combustion. Oxides of sulfur, nitrogen or phosphorus may also be formed

## **6. ACCIDENTAL RELEASE MEASURES**

### Methods for cleaning up

Sweep into container and remove. Flush spill area with water.

*Note: This product does NOT contain any hazardous substances reportable under CERCLA.*

## **7. HANDLING AND STORAGE**

**HANDLING** : Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Keep away from flames and hot surfaces. Use good personal hygiene practices and wear appropriate personal protective equipment. Spills will produce extremely slippery surfaces. Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29CFR 1910.146. Do not wear contaminated clothing or shoes.

**STORAGE** : Keep container(s) tightly closed and properly labeled. Use and store this material in cool, dry, wellventilated area away from heat and all sources of ignition. Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage.  
"Empty" containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death.  
"Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Before working on or in tanks which contain or have contained this material, refer to OSHA regulations, ANSI Z49.1, and other references pertaining to cleaning, repairing, welding, or other contemplated operations..

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS** : If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional engineering controls may be required

**RESPIRATORY PROTECTION** : Where there is potential for airborne exposure above the exposure limit a NIOSH certified air purifying respirator equipped with R or P95 filters may be used. A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use. Air purifying respirators provide limited protection and cannot be used in atmospheres that exceed the maximum use concentration (as directed by regulation or the manufacturer's instructions), in oxygen deficient (less than 19.5 percent oxygen) situations, or under conditions that are immediately dangerous to life and health (IDLH).

**EYE PROTECTION** : The use of eye protection (such as splash goggles) that meets or exceeds ANSI Z.87.1 is recommended when there is potential liquid contact to the eye. Depending on conditions of use, a face shield may be necessary

**SKIN PROTECTION** : Impervious gloves such as rubber should be used when handling this product  
Appropriate clothing to avoid skin contact

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EXPOSURE LIMITS** : This product does not contain any components, which have recognized exposure limits. However, users should consult with the specific manufacturer to confirm the performance of their protective equipment. Specific situations may require consultation with industrial hygiene, safety, or engineering professionals.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE** : Liquid  
**ODOR THRESHOLD-ppm** : NE  
**pH** : Not available  
**BOILING POINT C (F)** : Not available  
**MELTING POINT C (F)** : Not available  
**FLASH POINT C (F)** : > 207(404)  
**FLAMMABILITY** : Not established  
**AUTO FLAMMABILITY** : Not established  
**OXIDIZING PROPERTIES** : Not available  
**VAPOR PRESSURE** : Not available  
**-mmHg 20 C**  
**VAPOR DENSITY:** : Not available  
**RELATIVE DENSITY, 15 C** : 0.850-0.880  
**SOLUBILITY IN WATER** : Negligible  
**EVAPORATION RATE** : Not established  
**Viscosity, @ 40 °C cSt** : Not available  
**Pour Point, °C** : Not available  
**FREEZING POINT C(F)** : Not established

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

## **10. STABILITY AND REACTIVITY**

**STABILITY (THERMAL, LIGHT, ETC.)** : Stable  
**CONDITIONS TO AVOID** : Extreme heat  
**INCOMPATIBILITY (MATERIALS TO AVOID)** : Strong oxidizers  
**HAZARDOUS DECOMPOSITION PRODUCTS** : Carbon monoxide  
**HAZARDOUS POLYMERIZATION** : Not known to occur

## 11. TOXICOLOGICAL DATA

### ACUTE TOXICOLOGY

Oral LD 50	:	Not available
Dermal LD50	:	Not available
Inhalation LC50	:	Not available

### CHRONIC TOXICOLOGY

#### Lubricant base oil

*Carcinogenicity:* The petroleum base oil contained in this product has been highly refined by a variety of process including severe hydrocracking / hydroprocessing to reduce aromatics and improve performance characteristics. Under normal conditions of use, no significant health hazards are expected. All of oils meet the IP-346 criteria of less than 3% PAH's and are not considered carcinogens by NTP, IARC or OSHA

## 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS	:	Not known significant effects or critical hazards
<u>Aquatic ecotoxicity Conclusion / Summary</u>	:	Not available
<u>Biodegradability Conclusion / Summary</u>	:	Not available
Other adverse effects	:	Not known significant effects or critical hazards

## 13. DISPOSAL CONSIDERATIONS

The generator of a waste is always responsible for making proper hazardous waste determinations and needs to consider state and local requirements in addition to federal regulations. This material, if discarded as produced, would not be a federally regulated RCRA "listed" hazardous waste and is not believed to exhibit characteristics of hazardous waste. See Sections 7 and 8 for information on handling, storage and personal protection and Section 9 for physical/chemical properties. It is possible that the material as produced contains constituents which are not required to be listed in the MSDS but could affect the hazardous waste determination. Additionally, use which results in chemical or physical change of this material could subject it to regulation as a hazardous waste. This material under most intended uses would become "Used Oil" due to contamination by physical or chemical impurities. Whenever possible, Recycle used oil in accordance with applicable federal and state or local regulations. Container contents should be completely used and containers should be emptied prior to discard.

## 14. TRANSPORT INFORMATION

USA DOT	:	NOT REGULATED BY USA DOT
RID/ADR	:	NOT REGULATED BY RID/ADR
IMO	:	NOT REGULATED BY IMO
IATA	:	NOT REGULATED BY IATA

*Notes: If shipped by land in a packaging having a capacity of 3,500 gallons or more, the provisions of 49 CFR, Part 130 apply. (Contains oil); U.S. DOT compliance requirements may apply. See 49 CFR 171.22, 23 & 25.*

## 15. REGULATORY INFORMATION

United States : Not regulated  
HCS Classification  
Canada : Not controlled under WHMIS (Canada).  
WHMIS (Canada)

This product has been classified in accordance with the hazard criteria of the Controlled products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

EU regulations : This product is not classified according to EU legislation  
Risk phrases  
International regulations  
Canada inventory : All components are listed or exempted  
United States inventory (TSCA 8b) : All components are listed or exempted.  
Europe inventory : All components are listed or exempted

## 16. OTHER INFORMATION

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Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control. All risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Nothing is intended as a recommendation for uses, which infringe valid patents, or as extending license under valid patents. Appropriate warnings and safe-handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, republication or retransmission of this document, in whole or in part, is not permitted. Nemco assumes no responsibility for accuracy of information unless the document is the most current available from an official Nemco distribution system. Nemco neither represents nor warrants that the format, content or product formulas contained in this document comply with the laws of any country except Canada.  
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FOR FURTHER INFORMATION, CONTACT:

Date of printing : October 2013  
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Supplier : **Nemco Resources Ltd**  
Address : 25 Midland Street  
Winnipeg, Manitoba  
R3E 3J6 CANADA  
Telephone : 204-788-1030  
Fax : 204-788-1593